

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-50. (Canceled)

51. (Currently amended) A method for printing a document using a computer connected to a plurality of printers comprising:

receiving a plurality of documents in a print queue, wherein each document is placed at the end of the print queue when it is received;

~~using a prioritization program,~~ analyzing the plurality of documents in the print queue and prioritizing the plurality of documents in accordance with a user assigned priority stored in a data hidden in each document, wherein the user assigned priority may be a high priority, a medium priority, or a low priority;

adding an interrupt instruction to each document having the high priority;

ordering the plurality of documents in the print queue, wherein each document having the high priority is moved to the front of the print queue, followed by each document having the medium priority, and then followed by each document having the low priority, wherein the earliest document having the high priority is first in the print queue, and the newest document having the low priority is last in the print queue, and wherein all documents of like priority are placed in the print queue in the order they were received;

sending the plurality of documents in the print queue to a classification program;

~~using the classification program,~~ processing the print queue by separating each of the plurality of documents into a plurality of document pages each having a document page data hidden in the page, analyzing only a document page data in each of the plurality of document pages to determine a required printer type, the plurality of document pages being from one of the plurality of documents, separating each of the plurality of document pages into a plurality of print jobs based on the required printer type for each document page, and sending each of the

plurality of document pages to a type of printer based upon the document page data of each page, wherein the required printer types comprise: a specific printer, a color printer, and a black/white printer;

responsive to a determination ~~by the prioritization program~~ that one of the plurality of documents is an earliest high priority document, sending the earliest high priority document to the classification program and instructing the classification program to suspend the processing of a currently printing document by the classification program until the processing of the earliest high priority document has been completed, and then resume printing the currently printing document, and when the currently printing document is a high priority document, to finish printing the currently printing document and then print the earliest high priority document; and

responsive to each of the plurality of document pages being printed by an appropriate printer, reassembling the document.

52. (New) The method of claim 51 wherein the specific printer is a printer containing letterhead paper.

53. (New) The method of claim 51 wherein the specific printer is a photographic printer.

54. (New) The method of claim 51 wherein the specific printer is enabled to print fonts or images unprintable by other printers in the plurality of printers.

55. (New) The method of claim 51 further comprising:

wherein the data hidden in each document is an embedded file header that describes a plurality of printable document data and indicates whether a document contains a specific printer direction in a page of the document; and

when the data contains a specific printer direction, sending the page to a specific printer; and

wherein a specific printer is a closest printer to a user's computer, a printer at a specific physical location, a printer having special sophisticated fonts, a printer having special embedded graphics, a printer requiring very high resolution, a printer containing photographic quality

glossy paper, a printer containing perforated pages, a printer containing company letterhead, or a printer specifically designated by the user.

56. (New) The method of claim 51 wherein the data hidden in each document is an embedded file header that indicates a document size, a document type, a text type, a text color, a graphic type, a graphic color, a priority of a print job, a page size, a page format characteristics, or a document resolution requirement.

57. (New) The method of claim 51 wherein, when reassembling the documents is to be performed manually, a control page is printed that informs the user of the physical location of each the printers that printed separated parts of the original document.

58. (New) The method of claim 51 wherein the printed document pages are reassembled by an automated process.

59. (New) A method for printing a document using a computer connected to a plurality of printers comprising:

processing a print queue by separating each of a plurality of documents into a plurality of document pages each having a document page data hidden in the page;

analyzing only the document page data in each of the plurality of document pages, and responsive to a determination that the document page data requires a specific printer, sending the document page to a specific printer queue;

wherein the specific printer is enabled to print fonts or images unprintable by other printers in the plurality of printers.

60. (New) The method of claim 59 wherein the specific printer contains letterhead paper.